

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Page



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/873,196	06/05/2001	Brian A. Volkoff	10005660-1	5701

7590 07/14/2004

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

SHAH, NILESH R

ART UNIT PAPER NUMBER

2127

DATE MAILED: 07/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/873,196	Applicant(s) VOLKOFF ET AL.	
	Examiner Nilesh Shah	Art Unit 2127	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 June 20001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-22 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goertz et al

(6,173,295) (hereinafter Goertz) and further in view of Nevarez et al (6,389,421)

(hereinafter Nevarez).

4. As per claim 1, Goertz teaches an apparatus that provides secure access to resource in an

distributed computer network, the computer network coupled to one or more processors

that execute jobs posted in the computer network, comprising:

a job ticket service that is capable of storing a job ticket, wherein the job ticket provides

are reference to a job to be executed in the computer network and wherein the job

includes one or more resources, and wherein a processor accesses the job ticket in order

to execute the job (col. 2 line 60- col. 3 line 5, col. 4 lines 40-51, col. 5 lines 51-63).

Goertz does not specifically teach the use of authentication.

Nevarez teaches an authentication mechanism, wherein the authentication mechanism is capable of verifying an identity of a processor attempting to access the job ticket (col. 4 lines 51-60, col. 5 lines 35-45); and

authentication mechanism that is capable of receiving the identity from the authentication mechanism and capable of providing authority for the processor to access the job ticket, wherein when the processor accesses the job ticket, the processor accesses the one or more resources ticket (col. 4 lines 51-60, col. 5 lines 35-45). It would have been obvious to one skilled in the art at the time of the invention to combine the teachings of Nevarez and Goertz because Nevarez use of authentication would secure Goertz job ticket system.

5. As per claim 2, Nevarez teaches an apparatus wherein the job ticket comprises a processor authorization list that indicates processors authorized to access the job ticket, and wherein the authentication mechanism compares an identification of the processor to the processor authentication list to determine if the processor is authorized access to the job ticket (col. 5 lines 35-55, col. 8 lines 53-65)
6. As per claim 3, Nevarez teaches an apparatus wherein mechanism comprises an authentication server coupled to the job ticket service (col. 5 lines 35-55, col. 8 lines 53-65).

7. As per claim 4, Nevarez teaches an apparatus wherein the authorization mechanism comprises an authorization server coupled to the job ticket service (col. 5 lines 35-55, col. 8 lines 53-65).
8. As per claim 5, Nevarez teaches an apparatus wherein the authentication mechanism comprises an authentication program and the authentication mechanism comprises authorization program, and wherein the authentication program and the authorization programs are installed in the job ticket (col. 4 lines 51-60, col. 5 lines 35-45, col. 5 lines 35-55, col. 8 lines 53-65).
9. As per claim 6, Nevarez teaches an apparatus, wherein the authorization mechanism comprises a password mechanism, wherein the processor provides a password to the authorization mechanism (col. 6 lines 30-35, col. 10 lines 27-40).
10. As per claim 7, Nevarez teaches an apparatus, wherein the authorization mechanism comprises a public key/private key infrastructure (col. 2 lines 54-62, col. 6 lines 30-35).
11. As per claim 8, Nevarez teaches an apparatus, wherein the job ticket comprises a signature segment, wherein the job ticket is signed with a message digest signature (col. 2 lines 54-62, col. 6 lines 30-35, col. 13 lines 46-54).

12. As per claim 9, Nevarez teaches an apparatus, wherein the job ticket comprises one or more branches, wherein the processor accesses one of the one or more branches, and wherein the authorization mechanism controls access to the branch (fig. 1, col. 7 lines 10-35, col. 13 lines 46-54).
13. As per claim 10 Goertz teaches method for providing secure access to resources in an distributed computer network the computer network coupled to one or more processors that execute jobs posted in the computer network, comprising:
storing a job ticket that defines a job to be executed by a processor, wherein the job includes one or more resources (col. 2 line 60- col. 3 line 5, col. 4 lines 40-51, col. 5 lines 51-63). Goertz does not specifically teach the use of authentication.

Nevarez teaches authenticating an identity of the processor (col. 8 lines 53-65, col. 5 lines 35-45); and

authorizing an access by the processor based on the authenticated identity (col. 8 lines 12-21).
14. As per claim 11, Nevarez teaches a method wherein the authenticating step, comprises:
receiving a password from the processor and verifying the password (col. 6 lines 30-35, col. 10 lines 27-40).

15. As per claim 12, Nevarez teaches a method wherein the authorizing step comprises
comparing the authenticated identity of the processor to a list of authorized processors
(col. 8 lines 53-65).
16. As per claim 13, Nevarez teaches a method further comprising storing the list of
authorized processors with the job ticket (col. 8 lines 12-22, col. 8 lines 53-65).
17. As per claim 14, Nevarez teaches a method wherein the job ticket service comprises
programming to perform the authentication step and the authorizing step (col. 8 lines 12-
22, col. 8 lines 53-65).
18. As per claim 15, Nevarez teaches a method wherein a job ticket service center coupled to
the computer network performs the authentication and the authorizing steps (col. 6 lines
63-67, col. 8 lines 12-22, col. 8 lines 53-65).
19. As per claim 16, Nevarez teaches a method further comprising;
providing the job ticket with a signature segment and signing the job ticket with a
message digest signature (col. 2 lines 54-62, col. 6 lines 30-35, col. 13 lines 46-54).
20. As per claim 17, Nevarez teaches a method further comprising:
defining the job with a plurality of branches (fig. 1, col. 7 lines 10-35);

providing information on the job ticket for each of the plurality of branches and controlling access by the processor to one or more of the plurality of branches (fig. 1, col. 7 lines 10-35, col. 13 lines 46-54).

21. As per claim 18 Goertz teaches job ticket that provides secure access to resources in a networked environment comprising:
- a job ticket framework that includes information related to tasks to be performed under control of the job ticket, wherein the framework comprises a node-tree structure comprising a plurality of nodes (col. 2 line 60- col. 3 line 5, col. 4 lines 40-51, col. 5 lines 51-63).
- Goertz does not specifically teach the use of authentication.

Nevarez teaches each node of the plurality of nodes includes a list of one or more processors authorized access to the node (col. 8 lines 12-22, col. 8 lines 53-65); and a signature section that provides an authentication and authorization control module for the job ticket, wherein a processor accessing a node provides an identification onto the control module, the control module comparing the identification to the list of one or more processors for the node(col. 5 lines 35-56, col.8 lines 53-65).

22. As per claim 19, Goertz teaches the job the job ticket is stored in a job ticket service, the job ticket service comprising a location in the environment (col. 6 lines 35- 52).

23. As per claim 20, Nevarez teaches the job ticket wherein the environment is the Internet, and wherein the location is a web site (col. 1 lines 13-26, col. 6 lines 20-22).

24. As per claim 21, Goertz teaches the job program storage device readable by a computer, tangibly embodying a program of instructions executable by the computer to perform method steps to control access to jobs posted in a computer network, the method steps, comprising. storing a job ticket that defines a job to be executed by a processor, wherein the job includes one or more resources and receiving an access request from the processor (col. 2 line 60- col. 3 line 5, col. 4 lines 40-51, col. 5 lines 51-63). Goertz does not specifically teach the use of authentication.

Nevarez teaches authenticating an identity of the processor (col. 5 lines 35-56); and authorizing an access by the processor based on the authenticated identity (col. 8 lines 12-22, col. 8 lines 53-65).

25. As per claim 22, Nevarez teaches a program storage device wherein the method steps further comprise:
receiving a password from the processor and verifying the password (col. 6 lines 30-35, col. 10 lines 27-40); and

Art Unit: 2127

comparing the authenticated identity of the processor to a list of authorized processors and storing the list of authorized processors with the job ticket (col. 8 lines 12-22, col. 8 lines 53-65).

Conclusion

26. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nilesh Shah whose telephone number is 703-305-8105.

The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, meng An can be reached on 703-305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nilesh Shah
Examiner
Art Unit 2127

NS
July 8, 2004

